R' deschuse

of sul ele esitire eletamen manimentelle.

(statuemele iifamez es iitosega) aunituas f

$$\mathcal{Z}_{\mathcal{Z}} = (\mathcal{Z}, \mathcal{Z}) = \mathcal{Z}_{\mathcal{Z}}$$

(A) x²4 ∈ B<sub>5</sub>

1 internet is sunitine pe pe construit on 2 for the second of the second

2 diferentiabilà pe R2

Sumstrier mänletter.

$$\int \frac{9\pi}{9b} (\pi^2 A) = 0$$

$$\begin{pmatrix} \frac{94}{9f} (x'4) = 0 \\ \frac{94}{9f} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} (x'4) = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix} = \begin{pmatrix} \frac{94}{3} = 0 \\ \frac{94}{3} = 0 \end{pmatrix}$$

. (0,0) stee of int B sitir samen luxugaril

$$\frac{9 \times 5}{9_5 J} (x'A) = 15 \times 5$$

$$\frac{9 \times 9 L}{9 \times 3} (x^2 L) = 0 = \frac{9 L 9 \times}{9 \times 5} (x^2 L)$$

$$H_{\mathcal{F}}(\mathcal{Z},\mathcal{Z}) = \begin{pmatrix} 12\mathcal{Z} & 0 \\ 0 & 12\mathcal{Z} \end{pmatrix}, \forall 1(\mathcal{Z},\mathcal{Z}) \in \mathbb{R}^2$$

$$Hb^{(0,0)} = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$$

R2 deschibà

oritice De Dui J.

3 continua (aperatii cu Juncții Domentare)

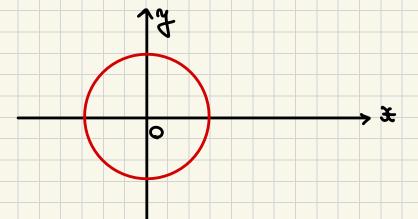
$$\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = c(\mathcal{X}^3)$$
 $\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = c(\mathcal{X}^3)$ 
 $\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = -c(\mathcal{J}^3)$ 
 $\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = -c(\mathcal{J}^3)$ 
 $\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = -c(\mathcal{J}^3)$ 
 $\frac{\partial \mathcal{D}}{\partial \mathcal{X}}(\mathcal{X}, \mathcal{J}) = 0$ 
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 $\frac{\partial \mathcal{D}}{\partial \mathcal{D}}(\mathcal{D}, \mathcal{D})(\mathcal{D})$ 

Lound in Email

$$HD(\mathcal{Z}^2A) = \begin{pmatrix} 0 & -15A \\ 15\mathcal{Z} & 0 \end{pmatrix}, \quad A : (\mathcal{Z}^2A) \in \mathbb{R}$$

$$\begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix} = (\rho_{c} \rho) f H$$

$$\mathcal{Z}_{(\mathcal{X},\mathcal{I}_{\mathcal{I}})} \qquad \mathcal{Z}_{(\mathcal{O},\mathcal{O})} = 0$$



$$3(0.4) = 0, -4, = -4, < 0 = 3(0.0)$$
 (A)  $4 \in \mathbb{R}_{+}$ 

L= \$leas # + fless # siteuse 60 itation 6.

definite con the continue of the c

9£ (1,0) Bi 9£(1,0).

Fie b=R3

alinand a

Fix 7:1-8R, 7(x,7,7) = x cony+7 con 7+7 con x-1

1) + (1,0,0) = 1. cor 0 + 0. cor 0 + 0. cor 1 - 1

= 1-4

= 0

 $\mathcal{Z}_{mid} \mathcal{Z} - \gamma_{koo} = (\mathcal{Z}, \gamma_{i,K}) \frac{\pm 6}{2}$ 

Front 4 mid x - = (£, p, x) 76

7 mistry - 7 cos = (7, 7, 8) #6

 $\frac{37}{62}$ ,  $\frac{37}{62}$ ,  $\frac{37}{62}$  constitue pe L  $\frac{76}{26}$ ,  $\frac{76}{26}$   $\frac{76}{26}$ 

=17 este de Dava C2 pel

3) 
$$\frac{37}{37}$$
 (1,0,0) = cos 1 - 0. sim 0 = 1 \ \delta \)

$$\frac{\partial \mathcal{Z}}{\partial \mathcal{Z}} (\mathcal{Z}, \mathcal{Z}) = -\frac{\partial \mathcal{Z}}{\partial \mathcal{Z}} (\mathcal{Z}, \mathcal{Z}, \mathcal{Z}(\mathcal{Z}, \mathcal{Z}))$$

$$\frac{\partial \mathcal{Z}}{\partial \mathcal{Z}} (\mathcal{Z}, \mathcal{Z}, \mathcal{Z}(\mathcal{Z}, \mathcal{Z}))$$

$$\frac{\partial \mathcal{I}}{\partial \mathcal{D}}(\mathcal{X},\mathcal{I}) = -\frac{\partial \mathcal{I}}{\partial \mathcal{I}}(\mathcal{X},\mathcal{I},\mathcal{I},\mathcal{I}(\mathcal{X},\mathcal{I}))$$

move 
$$(0,1)\frac{\overline{\xi}6}{\overline{\xi}6}$$
 is  $(0,1)\frac{\underline{\xi}6}{8}$  sorimotetels a witner

: straistan auab

$$\frac{\partial \overline{+}}{\partial z} (z, \overline{z}) = -\frac{\partial \overline{+}}{\partial z} (z, \overline{z}, \overline{z}(z, \overline{z}))$$

$$\frac{\partial \overline{+}}{\partial z} (z, \overline{z}, \overline{z}(z, \overline{z}))$$

$$\frac{\partial \overline{+}}{\partial z} (z, \overline{z}, \overline{z}(z, \overline{z}))$$

= 
$$\frac{\partial \bar{x}}{\partial x}(1,0) = -\frac{\cos(0-\bar{x}(1,0))\sin(0)}{-0\sin(1+\cos(1))+\cos(1)} - \frac{1-0.0}{-0\sin(1+\cos(1))}$$

=  $-\frac{1}{\cos(1)}$ 

(Lie ia (De misala) 2 atmaired

Conform 30) come = (x:x) + x (x:x) =0, (y) (x,y) EU,

conform 30) come = (x:x) + x (x:x) =0, (y) (x,y) EU,

(*¥'¥*)€∪

es trapart ne sur ians so sitales laitras mairisall in

: munitule is £

CONY-4(ring (x/2)). 9\frac{\pi}{9\pi} (x/2) + 9\frac{\pi}{9\pi} (x/2) conx +

(\$200+(\$,\$) \(\frac{\pi}{\pi}\) = 0 = \(\frac{\frac{\pi}{26}}{\pi}\) = 0 = \(\frac{\pi}{26}\) \(\frac{\pi}{2}\)

=-cosy+£(x,x) ximx==

 $= \frac{\partial \mathcal{Z}}{\partial \mathcal{Z}} (\mathcal{Z}, \mathcal{Z}) = \frac{-\cos x + \mathcal{Z}(\mathcal{Z}, \mathcal{Z}) + \cos x}{-\cos x + \mathcal{Z}(\mathcal{Z}, \mathcal{Z}) + \cos x}$ , (A) (#, A) EO =1

 $1 \frac{\partial f}{\partial x} (1,0) = \frac{-\cos 0 + f(1:0) + \sin 1}{26} = \frac{\partial f}{\partial x} (1,0) + \frac{\partial f}{\partial x} ($ -1+0. rim1 -0-sim0+cos1

£(1,0)=0 = - <u>1</u>

(D3(F(X)(H) 20=((H:X)Z: F(X)) = moseo (el mosefras)

ger: = cost+2 cost(x:2)+ = (x:2) cos = -1=0, A)

(X,\(\varphi\)\(\varphi\)

es stagest me sur iem so citales laites maisses e rzi Detimem:

- x yin 4+cor f(x,2)-4(xin f(x,2)). 3/4 (x'2)+

£(1:0) =0

3. Fie 
$$g: \mathbb{R}^3 \to \mathbb{R}, g(x, y, z) = xy + xz + yz$$
. Determinati punotele de extrem Docal De Dui  $g$  cu Degaturile  $-x+y+z=1$   $g: x-z=0$ .

Tie 
$$A = \{(X, Y, X) \in \mathbb{R}^3 \mid A_1(X, Y, X) = Y_2(X, Y, X) = 0\}$$

Determinan punter stationare conditionate

de  $A$  Desui  $\mp$ .

$$\frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = \mathcal{I} + \mathcal{Z} : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{Z}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{Z}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{I}, \mathcal{I}, \mathcal{I}, \mathcal{I}) = 1 : \frac{\partial \mathcal{I}}{\partial \mathcal{I}} (\mathcal{I}, \mathcal{I}, \mathcal{$$

$$\frac{1}{12} + \frac{1}{12} + \frac{1}{12} = 0$$

$$\frac{1}{12} + \frac{1}{12} =$$

(A) (£,7,7) EB3

 $\frac{9495}{955}(x^{3}12) = 0 = \frac{9394}{955}(x^{3}12)$ 

 $\frac{9 \pm 9 \pm 7}{9 + 3} (3 \pm 3 \pm 3) = 0 = \frac{9 \pm 9 \pm 3}{9 + 3} (3 \pm 3) \pm 3$ 

 $\frac{9 \pm 9 \pm}{9_5^5 \pm 1} (x' \pm 1) = 0 = \frac{9 \pm 9 \mp}{9_5^5 \pm 1} (x' \pm 1) = 0$ 

 $\frac{9\cancel{x}_{3}}{9\cancel{x}^{3}}(\cancel{x}^{3}\cancel{x})=0$ 

947 9581 (729,2)=0

9x3 (x'2'2)=0

(A) (x, 7, 2) EB3

 $\frac{9\pm_{3}}{95\pm_{1}}(x^{1}x^{1}x^{2})=0$ ;  $\frac{9292}{95\pm_{1}}(x^{1}x^{2}x^{2})=1=\frac{9294}{95\pm_{1}}(x^{1}x^{2}x^{2})$ 

 $\frac{9^{\frac{1}{4}}}{9_{5}\delta}(x^{2}A^{2}E) = 0; \quad \frac{9x9x}{95\delta}(x^{2}A^{2}E) = 1 = \frac{9x9x}{95\delta}(x^{2}A^{2}E)$ 

 $\frac{9\pi_{5}}{9_{5}\frac{1}{3}}(\pi^{1}A^{1}A^{2}) = 0; \quad \frac{9\pi_{5}A}{9_{5}\frac{1}{3}}(\pi^{2}A^{1}A^{2}) = 1 = \frac{9A9\pi}{9_{5}A}(\pi^{2}A^{1}A^{2})$ 

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi)$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

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$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \cdot (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) \cdot (y) (x, \eta, \xi) \cdot (x, \eta, \xi) \in \mathbb{R}^{2}$$

$$\frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi) = 0 = \frac{\partial^{2} g_{2}}{\partial x^{2}} (x, \eta, \xi)$$

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